

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

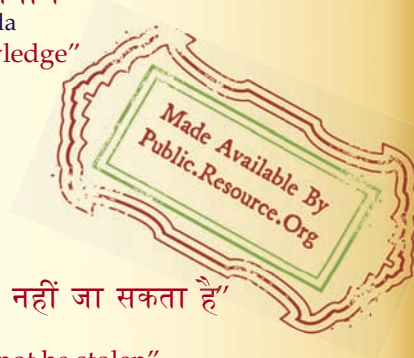
IS 7432 (1974): Clamp, Myomectomy, Bonney's Pattern [MHD 3: Obstetric and Gynaecological Instruments and Appliances]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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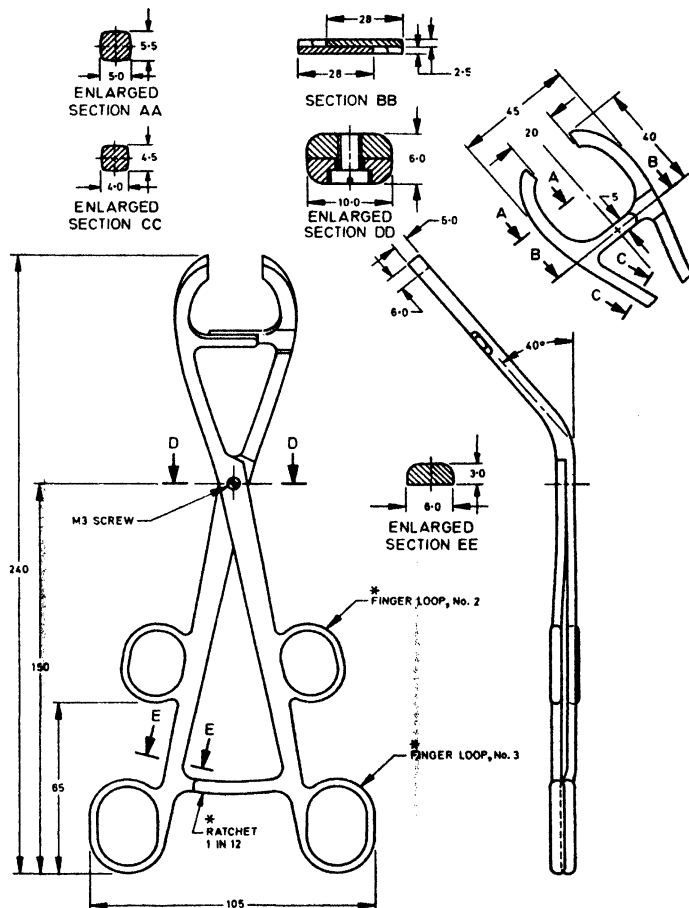




Indian Standard
**SPECIFICATION FOR
CLAMP, MYOMETOMY, BONNEY'S PATTERN**

1. Scope — Dimensional and other requirements for Bonney's pattern myometomy clamp used in obstetrics.

2. Shape and Dimensions — As shown in Fig. 1.



* See IS : 3642-1966 'General requirements for surgical instruments
All dimensions in millimetres.

FIG. 1 CLAMP, MYOMETOMY, BONNEY'S PATTERN

2.1 Joints — Screw type as given in 6 of Section 2 of IS : 3642-1966.

Adopted 21 October 1974

© December 1974, ISI

Gr 1

IS : 7432 - 1974

2.2 Finger Loops — No. 2 and 3 sizes as shown in Fig. 1 and conforming to Section 5 of IS : 3642-1966.

2.3 Ratchet — Teeth to conform to 8.1 of IS : 3642-1966 with combination of 1 in 12.

2.3.1 When first tooth of ratchet is engaged, there shall be a gap of 20 mm between the jaws of the clamp.

3. Materials

3.1 Stainless steel of Designation 20Cr13 or 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

3.2 Screw shall be of stainless steel of the same designation as used for forceps.

4. Workmanship and Finish

4.1 The clamp shall be free from scales, burrs, pits and other defects.

4.2 The clamp shall be symmetrical and well balanced.

4.3 All edges of the clamp shall be smoothly rounded off.

4.4 The arms of clamp shall move easily and freely at the joint but there shall be no undue play at the joint.

4.5 The clamp shall be polished bright and passivated.

5. Heat Treatment — The clamps shall be hardened and tempered to give a hardness of 380 to 420 HV.

6. Tests

6.1 Flexibility

6.1.1 The distal end of the jaws shall be made to close on a piece of vulcanized rubber 10 mm thick and the last tooth of the ratchet engaged. On opening, the clamp shall show no sign of damage.

6.1.2 A force of moderate degree shall be applied to each shank at right angle to the long axis and in a plane at right angle to the finger loops. The test shall be repeated at several points along the shanks. On completion of this test the shanks shall not acquire a new permanent set.

6.2 Corrosion Resistance — Scrub the sample with soap and warm water, rinse in hot water and then dip in 95 percent ethyl alcohol. Dry the sample. Immerse in copper sulphate solution at room temperature for 6 minutes and then wash off with fresh water or wet cotton wool. The composition of the solution shall be as follows:

Copper sulphate ($\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$)	4.0 g
Sulphuric acid (H_2SO_4) (sp gr 1.84)	10.0 g
Distilled water [see IS : 1070-1960 Specification for water, distilled quality (revised)]	90.0 ml

There shall be no red stains or spots on the sample but dulling of polished surface may be permitted.

7. Marking — Mark with the following:

- Manufacturer's name, initials or recognized trade-mark; and
- The words 'Stainless Steel'.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Packing — The clamp shall be wrapped in moisture-proof paper or packed in polyethylene bags. The clamps shall then be packed in carton avoiding contact with one another.

AMENDMENT NO. 1 JULY 1980

TO

**IS : 7432-1974 SPECIFICATION FOR CLAMP, MYOMECTOMY,
BONNEY'S PATTERN**

Alteration

(Page 2, Clause 6.2) — Substitute the following for the existing clause:

' 6.2 Corrosion Resistance — Test the sample in accordance with IS : 7531-1975 ' Method for boiling and autoclaving test for corrosion resistance of stainless steel surgical instruments '. The sample shall show no sign of corrosion after the test. '

(CPDC 25)